

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 07/24/00	4. REQUISITION/PURCHASE REQ. NO. 346-0041		5. PROJECT NO. (if applicable)	
6. ISSUED BY CODE National Institute of Stds & Tech. Acquisition & Assistance Division Building 301, Room B117 Gaithersburg, MD 20899-3572		7. ADMINISTERED BY CODE (If other than Item 6) Natl Institute of Stds & Tech Acquisition & Assistance Division Building 301, Room B117 Gaithersburg, MD 20899			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP code) ALL INTERESTED OFFERORS			X	9A. AMENDMENT OF SOLICITATION NO. 52SBNB0C1069	
				9B. DATED (SEE ITEM 11) 07/10/2000	
				10A. MODIFICATION OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended. Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 3 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

n/a

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS,  
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

The purpose of this amendment is (1) to incorporate revisions to the specified sections of the solicitation and (2) provide answers to questions received. Therefore, the solicitation document is revised by making the following pen and ink changes or by replacement of pages provided. (Changes are underlined/in bold.)

THE HOUR AND DATE FOR RECEIPT OF OFFERS IS EXTENDED TO:

3:00 P.M., AUGUST 2, 2000.

< See Continuation Sheet(s) >

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) SANDRA L. FEBACH	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  BY (Signature of Contracting Officer)	16C. DATE SIGNED

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE NO. 2
2. AMENDMENT/MODIFICATION NO.  0001	3. EFFECTIVE DATE  07/24/00	4. REQUISITION/PURCHASE REQ. NO.  346-0041	5. PROJECT NO. (If applicable)	

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) - CONTINUATION

1. Page 2, first paragraph, second sentence: change "bidder" to "offeror."
2. Page 2: Add the following NOTE at end of first paragraph, above CLIN 0001: "All references to "Contractor" and "Fabricator" throughout this document are synonymous. The two terms are used interchangeably and are both meant to convey the successful offeror/awardee."
3. Page 10, section B.1.1, third paragraph is revised to read: "All work will be evaluated by NIST, in consultation with the Designer, as to whether it meets all specified contract requirements."
4. Remove pages 23 and 24, and replace with the revised pages, attached. The instructions under subfactor (a)(1) "Institutional capability and experience..." are revised to delete requirement for names, addresses and telephone numbers of contacts. Those instructions are moved to subfactor (c) "Past Performance."
5. Remove and replace page 35. This change corrects typographical errors in the last paragraph.
6. The attached questions, with corresponding answers, are provided for information and clarification.

### D.3.1 (Continued)

Once discussions have been held with all firms in the competitive range, all will be offered the opportunity to submit a revised proposal by a common cutoff time and date. In other words, all firms with whom discussions are held will be given the opportunity to revise their offer to reflect the results of discussions. If the revised proposal is received after the established common cutoff time and date, it shall be handled in accordance with FAR 52.215-1, Instructions to Offerors - Competitive Acquisition.

- (e) While technical scores are significantly more important than price, price may become increasingly more important as the technical proposals of the offerors are evaluated as equal or substantially equivalent.

### D.3.2 TECHNICAL FACTORS

#### (a) TECHNICAL CAPABILITY

- (1) Institutional capability and prior experience of the firm providing durable interactive exhibits fabrication service(s) similar to those required for the proposed NIST Lobby Information Center.

**In order to evaluate the above subfactor, Offerors must provide information which demonstrates in-house capacity of the Offeror to provide competent, timely services.**

- (2) Qualifications of the person(s) assigned by the contractor to direct the NIST project.

In order to evaluate the above subfactor, Offerors must provide information which fully describes the qualifications and experience of the exhibit fabrication team, including the name and qualifications of the project manager, who shall remain in charge of the project for its duration. Offerors shall describe methods for replacing exhibit fabrication team members who may leave prior to project completion with new team members who have the same minimum qualifications, experience and abilities.

- (3) Quality of the portfolio of previously completed interactive exhibits.

In order to evaluate the above subfactor, Offerors shall include information which demonstrates performance with similar projects and with respect to the kind of services required by this solicitation, including photos of one to three completed projects which the offeror built according to a designer's specification.

The above subfactors, (1) through (3), are of approximately equal value.

### **D.3.2 (Continued)**

#### **(b) WORK PLAN**

Quality and scope of the work plan and the methodology proposed by the offeror for producing the exhibits.

In order to evaluate the above factor, Offerors must include information which demonstrates the following:

- (1) Ability to meet the timetable for project completion.
- (2) Description of work product and methodology for the entire plan.

#### **(c) PAST PERFORMANCE**

References from a minimum of three completed contracts, including information on past cost-versus-budget performance, scheduling performance, and quality control procedures.

In order to evaluate the above, Offerors must provide the following:

- (i) Names, addresses, and telephone numbers of contacts.
- (ii) Demonstrated ability to meet project budgets.

### **D.3.3 PRICE**

Prices/Costs will not be point scored. In order to evaluate price, Offerors must provide the following information:

- (a) A detailed, fixed cost, inclusive of all materials, equipment, travel expenses, staff time, out-of-pocket expenses, and all other costs and expenses not otherwise identified as provided by NIST, for each Contract Line Item Number (CLIN).
- (b) In addition, separate costs must be provided for each item listed on the Itemized Exhibit Component List (Attachment 0001).

### **D.4 PRE-BID/PRE-PROPOSAL CONFERENCE AND SITE VISIT**

The Government is planning a preproposal conference and site visit during which potential contractors may obtain a better understanding of the work required.

Offerors are strongly urged to visit this site during the conference to fully inform themselves about the location and conditions under which the work is to be performed.

## D. 8 (Continued)

Decision Authority. See 63 Federal Register 16,651 (April 6, 1999) (<http://www.nist.gov/admin/od/contract/agency.htm>) for the procedures for filing agency protests at the level above the Contracting Officer (with the Protest Decision Authority).

Agency protests filed with the Contracting Officer shall be sent to the following address:

National Institute of Standards and Technology  
Acquisition and Assistance Division  
Attn: S. L. Febach, Contracting Officer  
100 Bureau Drive, Mail Stop 3572  
Gaithersburg, MD 20899-3572  
FAX: (301) 963-7732

If a protest is filed with either the Protest Decision Authority or with the General Accounting Office (GAO), **a complete copy of the protest (including all attachments) shall be served upon both the Contracting Officer and the Contract Law Division.** Service upon the Contract Law Division shall be made as follows:

U.S. Department of Commerce  
Office of the General Counsel  
Contract Law Division - Room 5893  
Attn: Jerry Walz, Esquire  
Washington, DC 20230  
FAX: (202) 482-5858

**Answers to Bidder Questions Concerning Exhibit Services: NIST Lobby Information Center – Sol No. 52 SBNB0C1069**

1. There is no provision in the solicitation for proofing the many graphic panels to be produced. Since there will be concerns over scan quality and color matching, a round of proofing is suggested.

**Answer:**

See Artwork and Graphics specifications, 1.02 Submittals at the end of the Exhibit Descriptions. The referenced section calls for selected areas of graphic panels (noted with dotted lines on drawings within Graphics Pkg.) to be provided as samples (proofs) which require approval and will be used to check quality, resolution, and color.

2. Could there be more clarification for the graphics that call for "digital output onto opaque vinyl". Is inkjet acceptable? Will the type/quality of vinyl be spec'd? Could we get more information on the mounting/laminating requirements for the items in GR-2, GR-9, and GR-17.

**Answer:**

See Artwork and Graphics specifications, 1.01 part D. Digital output onto opaque vinyl means 3M ScotchPrint or approved equal. Inkjet is acceptable. For more information on the mounting of GR-02 and GR-09, see EX-06, drawing 4. GR-17: various labels printed on vinyl and mounted onto product containers and onto refrigerator.

3. On item GR-13, back to back mounting is spec'd. Are we to assume that this flipbook is only 2 pages since only 4 prints are called for?

**Answer:**

4 back-to-back panels are called for. This means there will be 8, 10" x 10" printed surfaces total.

4. On several items there is a requirement for "seal edge of print". It has been our experience that any agent added to the edge of a mounted photo print will leach into the print itself. Since all these items are "second surface mounted", the edge sealing requirement seems unnecessary.

**Answer:**

The sealed edge is unnecessary and should be deleted from the specification.

5. How are metal components to be finished? Exhibit Descriptions spec powder coating while the drawings spec paint.

**Answer:**

Metal components are to be powder coated. Any components not in contact with visitors or subject to wear may be painted providing painted finish matches powdercoated finish in appearance.

**Answers to Bidder Questions Concerning Exhibit Services: NIST Lobby Information Center – Sol No. 52 SBNB0C1069**

**6.** Who is supplying replica food and packaging? Who is producing the original artwork for the food labels?

**Answer:**

The fabricator is to furnish the replica food and packaging. The designer will furnish production ready artwork as described in the Artwork and Graphic Descriptions - 1.01.

**7.** What material is used for the interior walls of the various structures (MDF, gyp board, plywood, etc)?

**Answer:**

Walls are to be plywood or MDF with scenic painting and 3D elements added as shown in the drawings. Walls are to be fabricated off-site, transported to NIST in pre-assembled units as large as is practical, and bolted together on-site. Note if MDF is used, joining surfaces must be reinforced.

**8.** Re: Bunny Suit Mannequin #3.01.EX.03; what size mannequin is required? (i.e. – Traditional/Retail? Modern? Adult? Child?)

**Answer:**

The Bunny Suit is an adult size large – assume 5'-10 to 6'-0" The suit is loose-fitting and will completely cover the mannequin, so the style of the mannequin body is not a concern. A hood covers the head, and the mannequin will be posed looking away from the audience, but viewable from the back side of the Semiconductor Manufacturing area. The face from the forehead to the top of the chin will be exposed. Exposed areas of the mannequin's face should have generic features, sprayed out in a monochromatic warm gray color. The gloves are tight fitting, so the mannequin will need realistically shaped and posed hands.

**9.** Re: Railing #3.02.EX.01; will we receive more information and/or better details on the railing system in advance of bid due date? (spec sheet / drawings preferred).

**Answer:**

The railing system is to be Hollaender Interna-Rail. Interna-Rail fittings are sized for 1 1/2" I.D pipe (1.900" O.D.) A spec sheet for Interna-Rail fittings is posted on Hollaender's web site - <http://speedrail.com/index2.htm> – all the intersections may be accomplished using the Straight Tees, Corner Tees, and Angle Tees shown on the spec sheet. The uprights are to be mounted to the platform with the Anchor Flange shown on the spec sheet, the graphic panels are to be mounted to the rail with the Side Mount Flange shown on the spec sheet.

**10.** Re: Video Microscope #3.03.EX.03: In the "STATEMENT OF WORK / SPECIFICATION", #A.1.8 NIST PROVIDED ITEMS, it is stated that "...all necessary audio/visual and/or computer equipment , electrical and/or telecommunications outlets and connections, a number of artifacts as detailed in the Exhibit Descriptions..." are NIST provided. Does this also include the Video Microscope?

**Answers to Bidder Questions Concerning Exhibit Services: NIST Lobby Information Center – Sol No. 52 SBNB0C1069**

**Answer:**

The microscope, camera, and illuminator are to be provided by the Fabricator. NIST will provide the monitor.

**11.** Re: Graphics # GR-3; Overlapping first surface vinyl graphics will create unsightly seams and ridges. Is this acceptable, or are we to trap (hand cut) the letters? (or can the type be repositioned to avoid overlapping characters?)

**Answer:**

We will provide Adobe Illustrator outline files that cut the letterforms so that they trap to one another and not overlap.

**12.** Re: Graphics # GR-4; Adhering a sheet of frosted film to second surface vinyl graphics on plex will create air spaces at the point of overlap. Should the frosted film be applied to a separate piece of plex and sandwiched (or stood off slightly) with the graphics?

**Answer:**

The frosted film is to be mounted to the painted MDF panel and trimmed to the size of the plex.

**13.** Re: Graphics # GR-6 (and others); It has been our experience that sealing edges of laminated prints with outside agents (other than the adhesive found in the lamination material) is somewhat overkill, and tends to create more problems than it solves. Is this process really necessary?

**Answer:**

Sealing the edges of the graphic panels is unnecessary and has been deleted from the specs.

**14.** Please provide a source for the following specified items:  
Hollaender Interna-Rail anodized aluminum railing system.  
Juno Lighting or Juno lighting systems.  
Bredford Adjustable Computer Table.

**Answer:** Hollander Interna-Rail is available from Hollander - <http://speedrail.com/>  
Juno Lighting is available from Juno Lighting - <http://www.junolighting.com/>  
Bretford Computer table is available from Bretford - <http://www.bretford.com/>

**15.** Detail 1/EX.37, drawing EX.37: Please explain the object at the bottom right of the street gutter drain. It appears to be a drawing error.

**Answer:** The object is a drawing error.

**16.** Will the winning bidder be required to secure any special permits to install any of the work described in the bid package?



**Answers to Bidder Questions Concerning Exhibit Services: NIST Lobby Information Center – Sol No. 52 SBNB0C1069**

**Answer:** NIST does not anticipate that special permits will be required to install the exhibits. As described in the bid package, NIST approval is required for Shop Drawings that will be prepared by the contractor. NIST approval will be required if access above the ceiling would be needed. NIST does not anticipate this being necessary. A NIST Fire Department permit would be required if any on site welding is to be performed. On site welding is discouraged and would only be allowed if necessary with special conditions during non-business hours. As described in the bid package, no alternations to the building floors or walls -- with the exception of specified bolts in the back lobby wall -- will be allowed by the contractor.

**17.** Since the double door entryway is the main point of egress for load-in, will the fabricator be allowed to leave a trailer in the adjacent parking lot to house exhibit components and tools when work is not being performed?

**Answer:** NIST will issue a permit to the winning offeror to allow parking of a reasonably sized truck or van in the parking area immediately in front of the building. Long-term parking of such a vehicle may not be necessary. Based on discussions with its design contractor, NIST estimates that on-site construction of the exhibits will likely take place between Dec. 15 to Jan. 15. During this time period, NIST will allow the contractor to use the back lobby area as a staging area for the duration of the construction. The contractor will be required to get NIST approval for the exact method for roping or walling off this area to people other than the contractor's employees. Costs connected with cordoning off the back lobby area will be paid by the contractor. At the time of completion of construction and preparation of punch lists for final acceptance of the job, the contractor will be responsible for returning the area to its original condition and removing all debris, tools, etc. Special care will need to be exercised to ensure that marble floors and walls in the back lobby are not damaged in any way during construction.

**18.** It is understood that the building will be made available as necessary for load-in and installation; are there any specific times of day when work cannot be performed?

**Answer:** NIST will work with the contractor to make the building available with as much flexibility as possible. NIST expects that the contractor will avoid bringing in large objects during peak entry and exit times for employees during week days, especially 8:15 to 8:45 in the morning. Exit times are more spread out but generally peak between 3:30 to 4 p.m. and 4:45 to 5:15 p.m. Entry and exit will not be prohibited during this times, but if possible, these time should be avoided. Load-in of any large objects through the main doors will need to be done in a manner that allows immediate clearing of the doorway for exit in the event of an emergency.

Access to the NIST campus is available from 7 a.m. to 6:30 p.m., Monday through Friday, excluding Federal holidays. Any access needed to the building outside of those hours will need to be approved in advance by NIST. The NIST COTR will need to be present on the site with the contractor during after hours access. If it is agreed that this would be in both NIST's and the contractors best interest, every effort will be made to allow such access.

**Answers to Bidder Questions Concerning Exhibit Services: NIST Lobby Information Center – Sol No. 52 SBNB0C1069**

**19.** Also, are there any events, meetings, etc. that are scheduled to occur during the installation window that would preclude the fabricator from working?

**Answer:** NIST expects that the contractor will attempt to minimize disruption to building occupants as much as possible. NIST estimates that the installation window will occur from Dec. 15 to Jan. 15. This is normally a time of lower activity in the building due to the end of the year holidays. There are no major conferences scheduled during this window at this time and NIST will discourage such meetings due to the exhibit construction. At this time, there are no meetings scheduled that would preclude the fabricator from working.

**20.** Space Preparation states "Fabricator shall be responsible for any additional space preparation required for installation of the exhibits." What additional preparation might be required?

**Answer:** NIST is not aware of any space preparation that will be required. The areas where the exhibits are to be installed will be cleared of any existing exhibits by NIST prior to the start of work. Wall-to-wall carpeting will be installed in the front lobby area prior to the start of exhibit installation. The back lobby area will not be carpeted -- the existing marble flooring will be exposed.

**21.** Is it possible to extend the bid due date, if you receive assurances by all participating bidders that your target completion date would not be affected?

**Answer:** NIST has extended the offer due date to 3:00 P.M.. (Eastern Standard Time) Aug. 2, 2000.

**22.** Can you distribute a complete bidder's list to all participants? (Fabricators, Digital Imaging Specialists, AV, etc.)

**Answer:** A copy of the bidders' mailing list will be provided upon request.

**23.** Re: Litho Machine Support Walls #3.01.Ex.03: since this is being supplied by NIST and the fabricator is to build adjacent walls, will we receive more information and/or better details on the facade panels in advance of bid due date? (spec sheets/drawings preferred)

**Answer:** NIST will provide dimensions of individual panels for the Litho Machine facade as soon as possible. See the following website for a photo of the actual machine, which the exhibit is mocking up. The facade to be supplied by NIST is made predominantly of stainless steel. The dimensions of the facade are: 113.438 inches by 97.750 inches. (approx. 9.5 feet wide by 8 feet tall )

[http://www.nist.gov/public\\_affairs/biddertemp/bidders.htm](http://www.nist.gov/public_affairs/biddertemp/bidders.htm)

**Answers to Bidder Questions Concerning Exhibit Services: NIST Lobby Information Center – Sol No. 52 SBNB0C1069**

**24.** Clean Room Flooring #3.02EX.02; To help accommodate a sensible method of access to outlets below the floor system, will we receive more information and/or better details on this system in advance of bid due date? (spec. sheets/drawings preferred)

**Answer:** See the following website for spec sheet information and drawings.

[http://www.nist.gov/public\\_affairs/biddertemp/bidders.htm](http://www.nist.gov/public_affairs/biddertemp/bidders.htm)

NIST will supply flooring materials. The source for the materials is Tate Access Floors. The fabricator will install flooring per specs provided on website and/or in consultation with Tate as needed. Drawings currently call for the clean room floor to be 8 inches above the lobby floor. NIST has learned that 6 inch supports are available, so the floor is now planned for 6 inches above the floor. This affects the width of the skirt needed to surround the Semiconductor Area platform, which should now be 6 inches wide.

**25.** Re: Video Monitors (all); will all the monitors be the same make, model, and size? Will we receive information in advance of bid due date? (spec sheets/drawings preferred)

**Answer:** Yes, all of the monitors will be the same make, model and size. Monitors will be standard depth (not flat panel) and will be 19-inch screens. Further information will not be available until after bid due date.

**26.** Do you expect every single line of Attachment 0001 to have a price (i.e., 4.02.GR.03 Milk Carton Label) or will pricing each exhibit area (i.e., 4.02 NIST in Your Refrigerator) provide sufficient detail for your evaluation?

**Answer:** Prices must be provided for each component listed in Attachment 0001.